

# Aron Teh

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## 📁 Professional Experience

### Amazon

Nov 2022 – present | United Kingdom

#### Software Development Engineer

- Delivered a high priority, time-constrained project spanning multiple teams across the Living Room Platform organisation, facilitating a Prime Video launch in 8 new countries, acquiring 3 million new Prime customers.
- Communicated, mitigated and resolved high severity incidents and alerts during regular on-call rotations.
- Onboarded and welcomed 2 new engineers during eighth week of tenure, in absence of experienced team members.
- Developed efficient, scalable and robustly-tested API features with complex expectations and dependencies.

### THG

Sep 2021 – Oct 2022 | United Kingdom

#### Software Engineer

- Developed and maintained an Angular component library and Java backend to be used by multiple internal teams.
- Collaborated effectively with UX designers to build Angular UIs for an internal content management system.

## { } Programming Languages

HTML | CSS (Sass, Less) | JavaScript | Typescript | Python | SQL | Java | MATLAB | Dart | C++

## 🧠 Skills and Technologies

React (v18) | Next.js (v13) | Angular | Firebase (v9) | Git | Tailwind | npm | Yarn | Jest | Cypress  
REST | webpack | Testing (Unit, Integrated, E2E) | Axios | RxJS | AWS | Bash | Scrum | Flask  
Continuous Integration | Continuous Deployment | Docker | Kubernetes | GraphQL | Flutter | Vercel

## 🧩 Technical Personal Projects

### SkyStory

Angular, Firebase (Firestore, Authentication, Hosting), Tailwind, Angular Material, Axios, RxJS, REST API, PWA

- Dynamically themed and responsive progressive web application (PWA) where users can query live and forecasted weather information, utilising a third-party REST API service to retrieve global weather data.
- Integrated Firebase authentication and Firestore database automatically saves queries for authenticated users.

### NanoNote

Angular, Firebase (Firestore, Authentication, Hosting), Tailwind, Angular Material

- Lightweight and responsive web application for managing simple notes, secured with Firebase authentication.
- Users can create, manage, update, sort and categorise unlimited notes in an intuitive, minimalistic, dual-themed UI.

### TurboFile

React (Next.js), Firebase (Storage, Authentication), Tailwind, Material UI, Jest, Puppeteer, Vercel Hosting


- Responsive and multi-themed web application where users can upload and share files within seconds.
- Additional features to view, download and manage uploaded files are unlocked for users authenticated with Google.

## 🎓 Education

### Imperial College London

2017 – 2021 | London, United Kingdom


#### Aeronautical Engineering (MEng, Master of Engineering)

- Upper Second Class Degree, 69.6%.
- *Master's Thesis*  : Sparse conic optimisation parallel solver with the Alternating Direction Method of Multipliers.
- *Notable Modules*: High Performance Computing, Mathematics, Numerical Analysis, Optimisation, Control Systems.

## 🌐 Languages

English (Native Proficiency) | Chinese (Native Proficiency) | Cantonese (Beginner)

## ♟ Interests

**Chess**  (Youngest ever Malaysia National Chess Champion (2013), FIDE Master (International Title), World Chess Olympiad Participant (Norway 2014), President of Imperial College London Chess Club (2018-2019), Private Teacher)

**Machine Learning**  | **Quantitative Finance** | **Sports** (Swimming, Table Tennis, Badminton) | **Music**